



A GUIDE FOR APPLICANTS

PILOT PROGRAM

FOR

NEW ENVIRONMENTAL TECHNOLOGIES

EVALUATION (NETE)



Ministry of Environment and Energy

May 1997



Printed on recycled paper

PIBS 3552E

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A GUIDE FOR APPLICANTS

NEW ENVIRONMENTAL TECHNOLOGIES EVALUATION

BACKGROUND

What is the purpose of this pilot program?

The pilot program will enable the Ministry of Environment and Energy to evaluate and assess new environmental technologies. Under the program, the ministry will provide a written opinion on the potential of a particular technology's application in Ontario and whether it is likely to satisfy specific Ontario legislative and regulatory requirements.

The written opinion will be provided in the form of a letter and will expedite approvals for site-specific applications of new technologies. It should also help build confidence among municipalities and industries on the use of new technologies.

What technologies are covered?

This program covers any innovative technologies which may be used to reduce emissions or discharges to the environment and which require approval under *The Environmental Protection Act* (EPA) or *The Ontario Water Resources Act* (OWRA). These technologies may consist of any methodology, treatment process, equipment or material used to control pollution, treat waste or treat drinking water and other water supplies.

The technologies must also meet some of the following conditions:

- some or all aspects of a technology's performance are unproven;
- long-term performance has not been demonstrated;
- use of a technology is being proposed for applications other than conventional or proven situations;

Who can participate?

Businesses and individuals with new environmental technologies can apply for an evaluation. The technology must pertain to the following environmental sectors:

- drinking water treatment and supply
- municipal and industrial wastewater treatment
- air pollution prevention and control
- hazardous waste management
- site remediation

What is being evaluated?

The potential of new and innovative technologies, which have not been previously approved for application in Ontario, will be evaluated. The likelihood that these technologies will satisfy specific Ontario legislative and regulatory requirements will also be assessed. The ministry's opinion letter will also comment on the quality and sufficiency of information and data provided, and will offer guidance on the need for further testing.

The ministry will not verify the results of performance tests, or other tests, conducted on a technology by the owners. Private testing agencies must be used to verify these test results.

GENERAL INSTRUCTIONS FOR APPLICANTS

How to apply for an evaluation?

An application for evaluation of a technology under this program is made by gathering the information listed below and sending it, along with a written letter, to:

The Director
Standards Development Branch
Ministry of Environment and Energy
2 St. Clair Ave. W., 12th Floor
Toronto, ON M4V 1L5

What information should be submitted?

The initial information required should be technology specific. However, where applicable, it should include the following:

- (a) A detailed description of the technology:
 - scientific basis;
 - process flow diagram;
 - general equipment design;
 - range of operating conditions;
 - types and quantities of waste stream to be treated;
 - emissions (air, water, solid waste) to the environment;
- (b) Details of the chemical formulation of any chemical, coating or construction material, including the proposed Chemical Abstracts Service Registry (CAS) numbers, together with any information on the application of the material for similar use elsewhere;
- (c) Details of the technology's potential application in Ontario;
- (d) Any performance data, such as treatment/destruction efficiencies, process emissions, monitoring results and characteristics of by-products and residuals.

How is confidentiality ensured?

Any document, study report or letter that is sent to the ministry becomes Crown property and is subject to the provisions of the *Freedom of Information and the Protection of Privacy Act* (*the Act*).

Please stamp documents submitted to the ministry as "confidential" if appropriate. This would include any documents or materials which identify a trade secret or provide scientific, technical, commercial, financial or labour relations information that is being supplied in confidence, and where disclosure could be potentially harmful to your competitive position or result in an undue loss or gain to any person or organization. For a more detailed explanation, please refer to section 17 of the Act.

OTHER INFORMATION

How long will an evaluation take?

The ministry will make every effort to issue a written opinion within a month after all required information is received. Some applications may be very complex and take more time to evaluate.

If the information provided is incomplete, the applicant will be asked to provide additional information. The evaluation of an application will begin when all required information is received.

How much will it cost?

A fee-for-service schedule has been established as follows:

- \$500 for the evaluation/assessment of a chemical, chemical coating or construction material for use in the processing, treatment or supply of drinking water;
- \$2,000 for the evaluation/assessment of any innovative technology meeting all the necessary requirements included in the earlier section **What technologies are covered** (page 1).

The fee would be payable to the ministry when an application for an evaluation/assessment is made.

Cheques should be made out to the Minister of Finance, c/o the Ministry of Environment and Energy.

How does this program differ from the proposed federal Environmental Technology Verification (ETV) program?

The Ontario program will complement the federal Environmental Technology Verification Program. The federal program is a nation-wide initiative for the verification of technology performance claims. Ontario's program will streamline approvals for site-specific new technology applications, thereby strengthening and promoting the province's environment industry worldwide.

Program Evaluation

Companies which apply for an evaluation under the pilot program will be surveyed by the Ontario Centre for Environmental Technology Advancement (OCETA). This independent assessment by OCETA will provide important information on the value of the program and whether it is helping to expedite approval of new technologies. The survey will also look at Ontario versus Canadian and foreign company participation and potential areas for improvement.

The ministry will also be assessing the program on the basis of the number of applications received, the types of technologies evaluated, resource requirements and the ongoing value of the program to Ontario. Follow-up surveys by the ministry will assess sales growth, job creation, export markets and other areas of interest.

These assessments will be used to determine the overall value of the program to Ontario industry and to decide whether any changes to the program are needed.

Need more information

If you have any questions or need more information, please contact:

For drinking water and municipal wastewater technologies:

Manager, Water and Wastewater Optimization Section
Standards Development Branch
Ministry of Environment and Energy
2 St. Clair Ave. W., 12th Floor
Toronto, ON M4V 1L5
Tel: (416) 323-5200

For industrial wastewater, air pollution, hazardous waste management and site remediation technologies:

Manager, Technical Services Section
Standards Development Branch
Ministry of Environment and Energy
2 St. Clair Ave. W., 12th Floor
Toronto, ON M4V 1L5
Tel: (416) 323-5200

